

DECLARATION, POWER OF ATTORNEY, AND PETITION

I, Kei-Yu Ko, declare: that I am a citizen of the United States of America; that my residence and post office address is 4611 E. Rockbury Ct., Meridian, Idaho 83642; that I verily believe I am the original, first, and sole inventor of the subject matter of the invention or discovery entitled UNDOPED SILICON DIOXIDE AS ETCH STOP FOR SELECTIVE ETCH OF DOPED SILICON DIOXIDE, for which a patent is sought and which is described and claimed in the specification attached hereto; that I have reviewed and understand the contents of the above-identified specification, including the claims; and that I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Section 1.56(a) of Title 37 of the Code of Federal Regulations.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

I hereby appoint as my attorneys and/or patent agents: H. ROSS WORKMAN, Registration No. 25,230; RICK D. NYDEGGER, Registration No. 28,651; DAVID O. SEELEY, Registration No. 30,148; JONATHAN W. RICHARDS, Registration No. 29,843; JOHN C. STRINGHAM, Registration No. P-40,831; MICHAEL F. KRIEGER, Registration No. 35,232; BRADLEY K. DeSANDRO, Registration No. 34,521; JOHN M. GUYNN, Registration No. 36,153; GREGORY

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M. TAYLOR, Registration No. 34,263; DANA L. TANGREN, Registration No. 37,246; ERIC L. MASCHOFF, Registration No. 36,596; KEVIN B. LAURENCE, Registration No. 38,219; SUSAN K. MORRIS, Registration No. 39,780, JEFFREY L. RANCK, Registration No. 38,590; C. J. VEVERKA, Registration No. P-40,858; JONATHAN D. WOOD, Registration No. 39,076; ROBYN L. PHILLIPS, Registration No. 39,330; DAVID B. DELLENBACH, Registration No. 39,166; TIMOTHY M. FARRELL, Registration No. 37,321; LENA I. VINITSKAYA, Registration No. 39,448; JOHN N. GREAVES, Registration No. 40,362, KEVIN K. JOHANSON, Registration No. 38,506; MICHAEL L. LYNCH, Registration No. 30,871; and LIA P. DENNISON, Registration No. 34,095, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. All correspondence and telephonic communications should be directed to:

BRADLEY K. DeSANDRO  
WORKMAN, NYDEGGER & SEELEY  
1000 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, Utah 84111

Wherefore, I pray that Letters Patent be granted to me for the invention or discovery described and claimed in the foregoing specification and claims, declaration, power of attorney, and this petition.

Signed at Boise, Idaho, this 28 day of April, 1997

Inventor: Kei-Yu Ko  
Kei-Yu Ko  
4611 E. Rockbury Ct.  
Meridian, Idaho 83642

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**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER  
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JULY 10, 1997

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**



THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/30/1997

REEL/FRAME: 8536/0294  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KO, KEI-YU

DOC DATE: 04/28/1997

ASSIGNEE:

MICRON TECHNOLOGY, INC.  
8000 SOUTH FEDERAL WAY  
BOISE, IDAHO 83707

SERIAL NUMBER: 08846671

PATENT NUMBER:

FILING DATE:

ISSUE DATE:

DIANE RUSSELE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



WHEN RECORDED RETURN TO:

PATENT APPLICATION  
Docket No: 11675.114

Workman, Nydegger & Seeley  
1000 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, Utah 84111

## ASSIGNMENT

I, Kei-Yu Ko of 4611 E. Rockbury Ct., Meridian, Idaho 83642, have invented a method and apparatus entitled UNDOPED SILICON DIOXIDE AS ETCH STOP FOR SELECTIVE ETCH OF DOPED SILICON DIOXIDE, hereinafter called the "invention."

Preferred embodiments of said invention are disclosed in a United States patent application executed concurrently herewith by me and now identified as File No. 11675.114 of the law firm of Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, and filed in the United States Patent and Trademark Office as Serial No. 08/846,671 on Apr. 130, 1997. (I hereby authorize the attorneys of Workman, Nydegger & Seeley to insert said serial number and filing date when known.)

The Assignee, Micron Technology, Inc., a corporation of the State of Delaware, having a principal place of business at 8000 South Federal Way, Boise, Idaho 83707-0006, desires to secure the entire right, title and interest in said invention.

For good and valuable consideration paid to me by the Assignee, the receipt and sufficiency of which I hereby acknowledge, I HEREBY ASSIGN TO THE ASSIGNEE:

The entire right, title and interest in said invention in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in

countries foreign to the United States, and in all patents issuing thereon in the United States and Foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

I hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behalf of the said Assignee, its successors, assigns and legal representatives.

I hereby agree, without further consideration and without expense to me, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of me to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of my ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon my heirs and legal representatives.

Dated this 28 day of April, 1997.

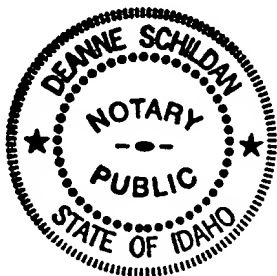
Kei-Yu Ko  
Kei-Yu Ko

STATE OF IDAHO )

: ss.

COUNTY OF Ada

On April 28, 1997, before me personally appeared Kei-Yu Ko, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.



Deanne Schilder  
NOTARY PUBLIC  
Residing at Meridian, ID

My Commission Expires:

6/27/2002

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